Question #85516, Chemistry / General Chemistry | for completion

How many grams of a 16.8% potassium sulfate solution would contain 542.4 g potassium sulfate?
Answer in units of g.

Answer:

W=m1 x 100% / m1+m2

m1+m2= m(solution)

m(solution)= m1 x 100 % /W= 542.4 x 100 / 16.8=3,228.57143

m(solution)= 3,228.57143 g